

MINUTES
DD 143 PUBLIC HEARING ON ENGINEER'S
REPORT ON REPAIR AND IMPROVEMENT TO MAIN
APRIL 6, 2016 – 5:30 P.M. – AMERICAN LEGION – RADCLIFFE, IOWA

Hardin County Board of Supervisors Chairman, Lance Granzow, opened the meeting. Also present were Supervisors, Renee McClellan and Ronn Rickels; Landowners and concerned citizens, Rose Topp, Josh Norem, Gary Kuhfus, Gayla Elwick, Marlowe Peppar, Julie Fudge, Taylor Roll, Merlin Eller, Mark Warburton, Trev Houck, Mary Bjelland, Marcia Eller, Bret Burkhardt, Marty Eide, Daryl Eide, Debra Stolee, Michael Raske, Marvin Lepper, Chuck Raska, Doris Eike, Karene Topp, Philip Tjelmeland, Dale Martinson, Esther Wykle, Paul Handsaker, Dale Hinderaker, Jacob Handsaker, Dan Nepple, Clint Dickes, Tessa Dickes, Jim Handsaker, Brian Epperson, Thomas Chentland, Eva Pruhs, David Norem, Janelle Norem, Craig & Ida Torgeson, Calvin Hyland, Mary Elwick, Jeffrey Brenneman, Allen Rudy, Dirk Carlson for Kendall Young, April Eller, Cathy Bright, Phyllis & Richard Drake, Lee Wykle, Melanie Eide, Brad Fjelland, Jean Raske, Bryan Drake, Lloyd & Ilene Guard, Jeremy Davis, Kirk Eller, Ragene Spindler, Linda Hinderaker, Roger & Sandy Handsaker, Kent Girouex, Dave Nelson, Denny Chaussee, James Young, Mark Gehling, Bill H??? and an unidentifiable name; Drainage Attorney, Mike Smith; Lee Gallentine with Ryken Engineering; Drainage Clerk, Tina Schlemme.

McClellan moved, Rickels seconded to approve the agenda as presented. All ayes. Motion carried.

Granzow opened the public hearing and the publication was verified.

The hearing was then turned over to Gallentine who explained the project as stated in the Engineer's Report dated February 15, 2016 and the Supplement to Engineer's Report dated February 29, 2016. The project began when the City of Radcliffe wrote to the Trustees requesting televising be done due to a possible restriction on the east side of Radcliffe under the golf course. The Trustees then hired Ryken Engineering to investigate and report on the request. Once the repair summary was received, the Trustees then requested Ryken to move forward with creating the Engineer's Reports with different options for repair and improvement.

Gallentine also explained the history of the district, which actually began as DD 2 in 1906. A sub-district was formed in 1928 which changed the combined districts to DD 143. In 1955, a parallel tile was installed along Ionia Street to eliminate overflow and improve capacity that was reduced from silt, tree roots and a flat grade. A new storm sewer system along Ionia Street was constructed in 1995 to provide an adequate outlet. Due to this historical information, it was evident that the capacity and condition of the tile has been questioned since 1954.

The current work order request concerning the tile in the golf course area was jet cleaned and televised. No tile could be televised downstream from the east side of County Highway S-27 (west of the golf course) due to silt and slow moving water. The tile beginning in the former railroad area, just south of the golf course, was televised upstream for 600 feet but no further due to tree roots. In that 600 feet, there were several lengths that were broken and ready to collapse and previous repairs visible. Gallentine noted that a significant portion of the main tile through the heart of the golf course was unable to be televised and its condition is unknown. The Engineer's conclusion is that the main tile is overloaded and restricted through the golf course.

Gallentine discussed the repair method options. All options included replacing 3 broken pipe lengths upstream of the golf course and 6 broken pipe lengths downstream of the golf course. The reconnection of all private tile was also included in all options. The drainage coefficient remained the same at 0.3 inches per acre per day.

- Open Cut Tile Replacement – Remove all trees within 50 feet on either side of the tile; Remove existing tile and install a new main of same size at same location. Estimated Cost = \$257,136.00.
- Trenchless Tile Lining – Replace existing intakes with larger ones; Mechanically cut and remove tree roots; Jet clean to remove silt and debris; Perform major spot repairs needed; Install CIPP sewer liner to repair small defects and prevent tree roots from entering. Estimated Cost = \$343,596.00.

- Rerouted Tile Replacement – Replace existing intakes with larger ones; Install new tile of same size at new location through golf course; Plug existing main. Estimated Cost = \$210,797.40.

The improvement method options were then discussed. All options included reconnection of private tile.

- Parallel Tile Installation – Chose a repair option to ensure existing tile will provide additional years of service; Install parallel tile adjacent to existing but at different grade and elevation; Connect existing and parallel tiles at various locations. Drainage Coefficient = $\frac{1}{2}$ " with Estimated Cost \$1,871,716.80 - \$1,992,442.80. Drainage Coefficient = 1" with Estimated Cost \$2,111,956.80 - \$2,232,682.80.
- Tile Replacement with Upsize of Tile – Remove and replace existing tile with larger size at same location. Drainage Coefficient $\frac{1}{2}$ "-Estimated Cost \$1,900,932. Drainage Coefficient 1"-Estimated Cost \$2,113,716.
- Tile Replacement with Open Ditch – Remove and replace existing tile with open ditch from west side of golf course all the way southeast to creek. Estimated Cost = \$1,276,558.80.
- Tile Replacement with Partial Open Ditch – Remove and replace existing tile with open ditch just through golf course; Construct headwall and outlets; Install storage basin on south side of golf course to store excess discharges during high flow events; Construct headwall and riprap funnel. Estimated Cost = \$302,610.

Much discussion was had concerning the different options and many questions from landowners. Granzow asked for a show of hands to rule out any options that were a definite no. No one was in favor of the parallel tile or rerouting option. The trenchless lining received 2 in favor and the open cut replacement also received 2 show of hands. The improvement options of upsizing the tile had 2 in favor, the open ditch showed 4 hands and the partial open ditch through the golf course had 11 shows of hands. Granzow then asked all those in favor of any of the repair options with a show of 18 hands. When asked for a show of hands for the improvement options, 25 showed hands. When Granzow asked to narrow down those improvement options, 5 were in favor of the open ditch and another 5 for the partial open ditch. Two liked the upsize replacement option.

Landowner, Jacob Handsaker, presented an option of replacing the tile through the golf course with larger size tile but then open ditch just south of the golf course down to the creek. This method would allow the golf course to keep tile in the property yet increase the capacity as needed for the entire district. After more discussion,

Granzow asked again for a show of hands of those in favor of the repair options and 16 showed hands. When asked those in favor of the improvement options, 15 raised their hands. Granzow then stated he would like everyone to show which improvement option they would prefer if they would decide to go with an improvement option. Only one was in favor of upsizing to a larger size. Another person was in favor of the open ditch. When asked those in favor of the new option of the larger size tile through the golf course and an open ditch south of that, 24 showed hands. Another one was interested in the open ditch through the golf course option. Granzow then asked if they would decide to go with the repair option, he would like everyone to vote which repair option they prefer. The open cut replacement option in the current position had 22 show of hands. The trenchless liner option had 3 in favor and no one preferred the rerouting option.

After further discussion of all the narrowed down options, Granzow once again asked for a show of hands of those in favor of the repair option with a show of 12 hands. There were 19 or 20 landowners that showed in favor of the improvement option when asked.

Rickels moved, McClellan seconded to close the hearing. All ayes. Motion carried.

Rickels moved, McClellan seconded to table any decision until Ryken Engineering submits a supplemental Engineer's Report detailing the new option of installing a larger size tile through the golf course with an open ditch south to the creek. Once the report is received, a continuation of hearing will be scheduled. All ayes. Motion carried.

McClellan moved, Rickels seconded to adjourn the meeting. All ayes. Motion carried.